

This Listing of Claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1-14 (Canceled).

15. (Currently Amended) A method of providing protection against arc flash during maintenance on a low voltage power circuit including a circuit breaker having a specified trip function for responding to a fault, the method comprising:
overriding the specified trip function with a maintenance trip function that results in reduced arc energy in the fault during a trip over arc energy during a trip with the specified trip function; and
restoring the specified trip function following maintenance,
wherein the specified trip function incorporates a jumpered zone interlock providing a specified delay and overriding the specified trip function comprises eliminating the specified delay, and

~~The method of Claim 14, wherein eliminating the specified delay comprises open circuiting the jumpered zone interlock.~~

16. (Previously Presented) A method of providing protection against arc flash during maintenance on a low voltage power circuit including a circuit breaker having a specified trip function for responding to a fault, the method comprising:
 overriding the specified trip function with a maintenance trip function that results in reduced arc energy in the fault during a trip over arc energy during a trip with the specified trip function; and
 restoring the specified trip function following maintenance,
 wherein overriding the specified trip function comprises providing an independent maintenance trip function in parallel with the specified trip function.

17-20 (Canceled).

21. (Previously Presented) A low voltage circuit breaker protecting from arc flash resulting from faults in a protected low voltage power circuit comprising:
 separable contacts;
 current sensors sensing current in the protected low voltage power circuit;
 a trip unit responsive to the current sensors tripping open the separable contacts in response to a specified trip function; and

maintenance means overriding the specified trip function with a maintenance trip function that results in reduced arc energy in the fault during a trip over arc energy during a trip with the specified trip function,

wherein the maintenance means comprises a maintenance plug insertable in the circuit breaker to implement the maintenance trip function.

22. (Original) The circuit breaker of Claim 21, wherein the maintenance plug comprises part of a maintenance trip circuit producing a trip at a lower current level than the specified trip function.

23. (Original) The circuit breaker of Claim 22 for a multiphase low voltage power circuit, wherein the circuit breaker includes an auctioneering circuit that selects a highest phase current for the maintenance trip function.

24. (Original) The circuit breaker of Claim 23, wherein the trip unit comprises a microprocessor providing the specified trip function and the maintenance trip circuit is in parallel with the trip unit.

25. (Original) The circuit breaker of Claim 22, wherein the maintenance trip circuit comprises a Zener diode that sets the lower current level.

26-29 (Canceled).